

Recombinant Per a 7 (Tropomyosin)

Product Code: RP-PA7-1

Allergen: rPer a 7 (*Periplaneta americana* allergen 7)

Lot No: XXXXX

Source: *Pichia pastoris*

Mol.Wt: 33 kD

Purification: Purified from *Pichia pastoris* culture by multi-step chromatography. Purity on silver-stained SDS-PAGE >95%.

Concentration: See product insert.

Formulation: Preservative-free and carrier-free in phosphate buffered saline, pH 7.4. Filtered through 0.22µm filter.

Storage: Store at -20°C

Notes: (1) Avoid repeated Freeze/Thaw cycles.
(2) Upper bands are traces of non-reduced dimer.



rPer a 7

Allergens are provided for research and commercial use in vitro:
Not for human in vivo or therapeutic use.

REFERENCES:

1. Asturias JA et al. Molecular characterization of American cockroach tropomyosin (*Periplaneta americana* allergen 7), a cross-reactive allergen. *J Immunol.* 1999;162(7):4342-8.2.
2. Ayuso R et al. Molecular basis of arthropod cross-reactivity: IgE-binding cross-reactive epitopes of shrimp, house dust mite and cockroach tropomyosins. *Int Arch Allergy Immunol.* 2002;129(1):38-48.
3. Santos AB et al. Cross-reactive IgE antibody responses to tropomyosins from *Ascaris lumbricoides* and cockroach. *J Allergy Clin Immunol.* 2008;121(4):1040-6.
4. Chapman MD, Pomés A. Cockroach allergens, environmental exposure and asthma. In: *Allergy and Allergic Diseases.* 2nd Edition. Blackwell Publishing. Ed. AB Kay, AP Kaplan, J Bousquet, PG Holt. 2008:1131-45.